



Enjoy Charging
Technology ROMOSS

Sailing Series

sailing 1

Exquisite and unrivaled
craftsmanship





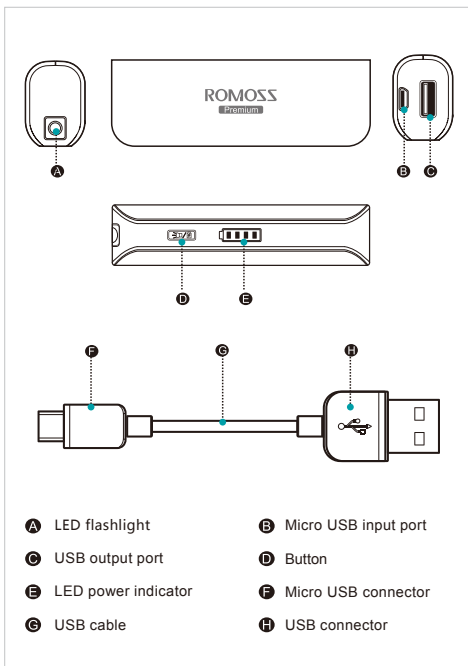
Product features

- The most powerful and the most functional among batteries
- of the same size
- Plug and charge on any smartphone
- Unique craftsmanship, as exquisite as diamond
- Emergency LED torchlight
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output
- is 10% higher than ordinary products
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- Supports simultaneous charging of external battery and
- mobile phone
- Before you go out, the phone and the battery are both fully
- charged

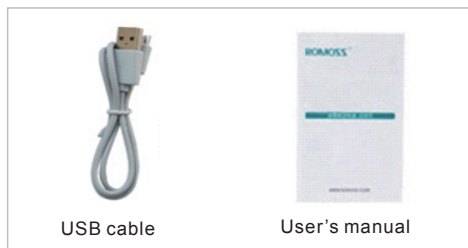
Specifications

Name	sailing 1	Model	PH10
Input	DC5V 1 A MAX.	Output	DC5V 1A MAX.
Capacity	2600mAh	Weight	~74g/2.61ozs
Size	~L90 x W30 x H21mm ~L3.54 x W1.18 x H0.83inches		
Charging time	~3.5 hours (using 1AAC adapter) ~6.5 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

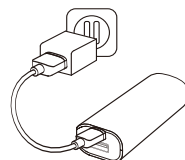
product appearance



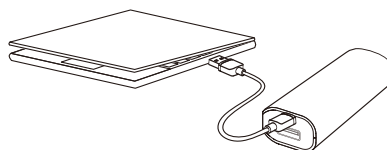
Accessories



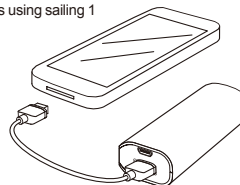
1 Charge sailing 1 with AC adapter (AC adapter is not bundled)



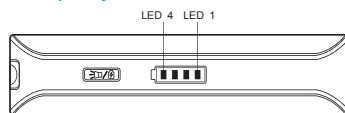
2 Charge sailing 1 by connecting it to USB port on computer



3 Charging digital products using sailing 1



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

sailing 1

High-performance External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Thank you for using ROMOSS products.
Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging sailing 1 (Figure 1 / Figure 2)

1. Use original USB data cable and connect micro USB to micro USB port on sailing 1;
2. Connect USB cable to USB port on DC5V USB charger or computer.
If LED signal flickers, it means sailing 1 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with sailing 1 (Figure 3)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of sailing 1.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to sailing 1. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 20 seconds. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

sailing 2

Elegant, Tasteful,
Refined and Ingenious





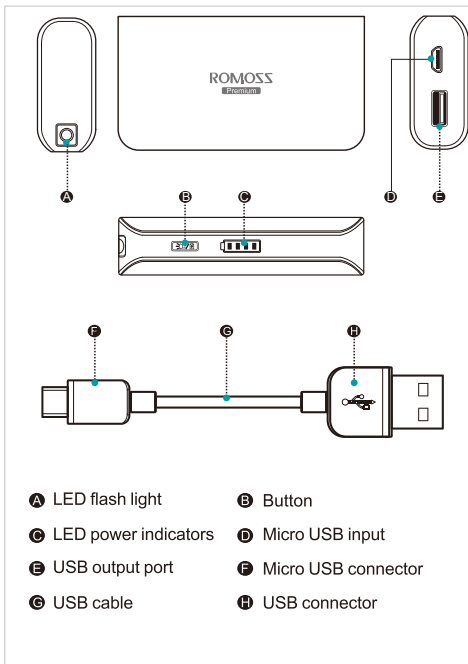
Product features

- The most powerful and the most functional among batteries of the same size
- Plug and charge on any smartphone
- Unique craftsmanship, as exquisite as diamond
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Alloy-plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- Supports simultaneous charging of external battery and mobile phone
- Before you go out, the phone and the battery are both fully charged

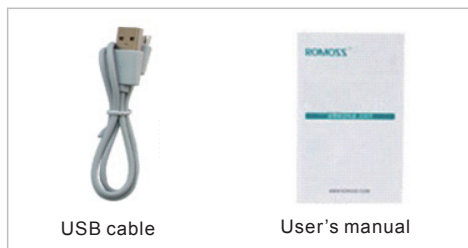
Specifications

Name	sailing 2	Model	PH20
Input	DC5V 1A MAX.	Output	DC5V 2.1A MAX.
Capacity	5200mAh	Weight	~128g/4.51ozs
Size	~L89.5x W48.5 x H21mm ~L3.52 x W1.91 x H0.83inches		
Charging time	~6.5 hours (using 1A AC adapter) ~13 hours (using 500mA AC adapter or PC USB)		
Environment for Use		Outdoors/indoors/inside a vehicle	
Ambient Temperature for Use		Charging 0℃~45℃; discharging -10℃~60℃	
Environment for Storage		-20℃~60℃	
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

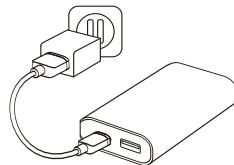
product appearance



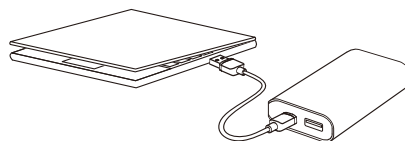
Accessories



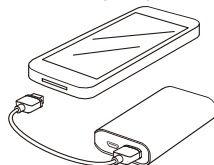
1 Charge sailing 2 with AC adapter (AC adapter is not bundled)



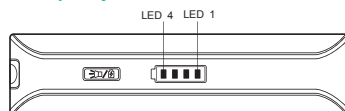
2 Charge sailing 2 by connecting it to USB port on computer



3 Charging digital products using sailing 2



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

sailing 2

High-performance External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



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Follow the instructions and use it properly.

Instructions

Charging sailing 2 (Figure ① / Figure ②)

1. Use original USB data cable and connect micro USB to micro USB port on sailing 2;
2. Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means sailing 2 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with sailing 2 (Figure ③)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of sailing 2.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to sailing 2. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

sailing 3

Leading steps build
Elites' choice





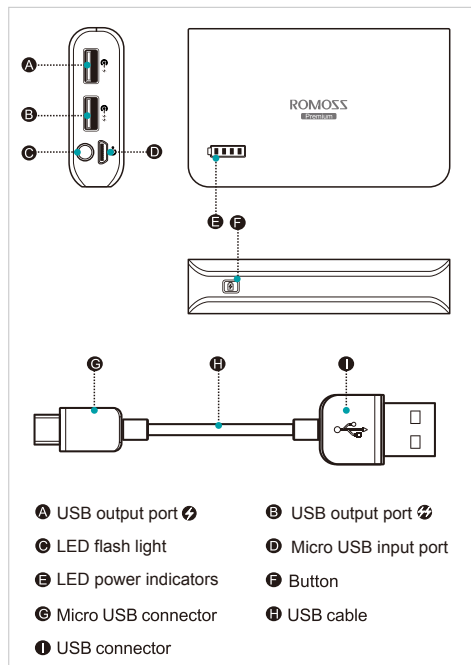
Product features

- Takes only 4.9 hours to charge itself, just half of that for ordinary products
- Plug and charge on any smartphone
- Charge and use, devices are fully charged before you go out
- Can charge both smartphone and iPad
- Unique and luxury craftsmanship
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Alloy-plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance

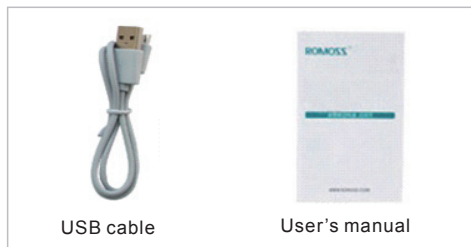
Specifications

Name	sailing 3	Model	PH30
Capacity	7800mAh	Weight	~193g/6.8ozs
Input	DC5V 2.1A MAX.		
Output	⚡ DC5V 1A MAX. ⚡ DC5V 2.1A MAX.		
Size	~L101x W61 x H21mm	~L3.98 x W2.4 x H0.83inches	
Charging time	~5 hours (using 2.1AAC adapter) ~10.5 hours (using 1AAC adapter) ~20.5 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

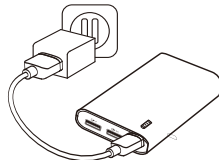
product appearance



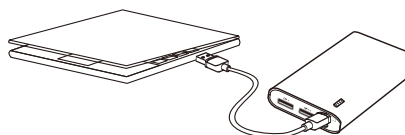
Accessories



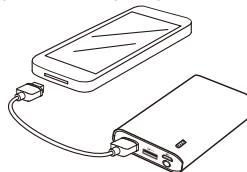
- ① Charge sailing 3 with AC adapter (AC adapter is not bundled)



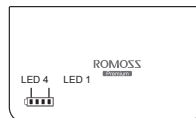
- ② Charge sailing 3 by connecting it to USB port on computer



- ③ Charging digital products using sailing 3



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

sailing 3

sailing 3

High-performance External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



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Follow the instructions and use it properly.

Instructions

Charging sailing 3 (Figure ① / Figure ②)

1. Use original USB data cable and connect micro USB to micro USB port on sailing 3;
2. Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means sailing 3 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with sailing 3 (Figure ③)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of sailing 3.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to sailing 3. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

sailing 4

Fast and robust





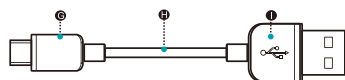
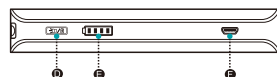
Product features

- Can charge most 5V digital devices, perfectly matches most smartphones, compatible with iPad
- Takes only 6.8 hours to charge itself, suitable for a fast-paced life
- Charge and use, both are fully charged before you go out
- Can simultaneously charge a pad and a phone, or two phones, more convenience
- Unique and luxury craftsmanship
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Alloy-plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance

Specifications

Name	sailing 4	Model	PH40
Capacity	10400mAh	Weight	~256g/9.03ozs
Input	DC5V 2.1A MAX.		
Output	① DC5V 2.1A MAX. ② DC5V 1A MAX.		
Size	~L138x W62 x H21.5mm ~L5.43 x W2.44 x H0.85inches		
Charging time	~7 hours (using 2.1AAC adapter) ~14 hours (using 1AAC adapter) ~27 hours (using 500mAAC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

product appearance



- Ⓐ LED flashlight
- Ⓑ USB output port ①
- Ⓒ USB output port ②
- Ⓓ Button
- Ⓔ LED power indicators
- Ⓕ Micro USB input port
- Ⓖ Micro USB connector
- Ⓗ USB cable
- Ⓘ USB connector

Accessories

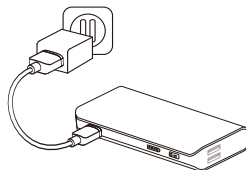


USB cable

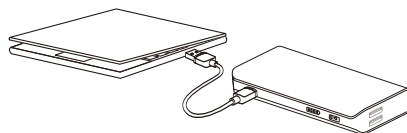


User's manual

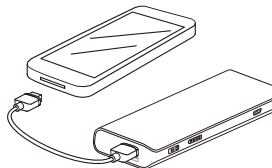
- 1 Charge sailing 4 with AC adapter (AC adapter is not bundled)



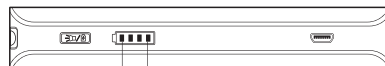
- 2 Charge sailing 4 by connecting it to USB port on computer



- 3 Charging digital products using sailing 4



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

sailing 4

sailing 4

High-performance External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Thank you for using ROMOSS products.
Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging sailing 4 (Figure ① / Figure ②)

1. Use original USB data cable and connect micro USB to micro USB port on sailing 4;
2. Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means sailing 4 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with sailing 4 (Figure ③)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of sailing 4.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to sailing 4. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

sailing 5

Ultimate Speed,
Powerful and Endurable





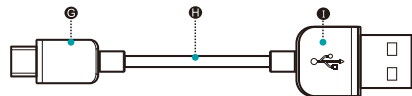
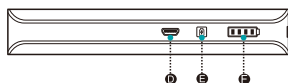
Product features

- 13000 mAh super-high capacity
- Takes only 8.5 hours to charge itself, just a sleep away
- Charge and use, both are fully charged before you go out
- Slip and Shock-proofed and extremely durable, bring with you without worries
- Can charge all 5V digital devices, perfectly matches all smartphones and most tablets
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- Two USB ports allow simultaneous charging of two smartphones

Specifications

Name	sailing 5	Model	PH50
Capacity	13000mAh	Weight	~296g/10.44ozs
Input	DC5V 2.1A MAX.		
Output	⚡ DC5V 1A MAX.		⚡ DC5V 2.1A MAX.
Size	~L138x W62 x H21.5mm ~L5.43 x W2.44 x H0.85inches		
Charging time	~8.5 hours (using 2.1AAC adapter) ~17 hours (using 1AAC adapter) ~33.5 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

product appearance



- A** Working indicator
- B** USB output port
- C** USB output port
- D** Micro USB input port
- E** Button
- F** LED power indicators
- G** Micro USB connector
- H** USB cable
- I** USB connector

Accessories

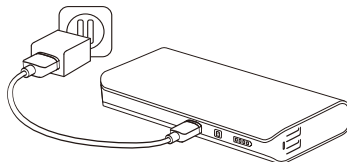


USB cable

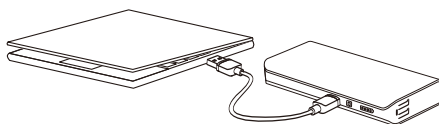


User's manual

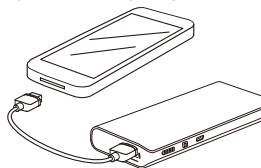
1 Charge sailing 5 with AC adapter (AC adapter is not bundled)



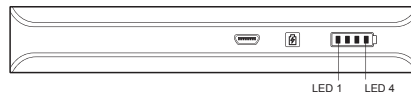
2 Charge sailing 5 by connecting it to USB port on computer



3 Charging digital products using sailing 5



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

sailing 5

sailing 5

High-performance External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



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Instructions

Charging sailing 5 (Figure 1 / Figure 2)

- Use original USB data cable and connect micro USB to micro USB port on sailing 5;
- Connect USB cable to USB port on DC5V USB charger or computer.
If LED signal flickers, it means sailing 5 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with sailing 5 (Figure 3)

- Check if the charging voltage of the digital product is compatible with the DC5V output voltage of sailing 5.
- Use the digital product's original cable, and connect one end to the digital product, the other end to sailing 5. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.



- When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
- When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

Solo Series

Enjoy Charging **Technology ROMOSS**
www.romoss.com

ROMOSS

solo 1

Small and exquisite.
Powerful





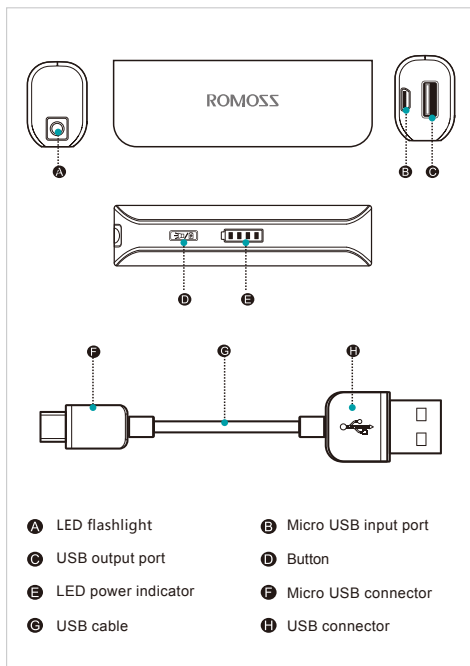
Product features

- Small ergonomic design, easy to carry
- Stylish and presentable
- Emergency charging meets all your expectations
- Emergency LED flashlight
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Smart sleep mode helps save power and prolongs endurance
- Intelligent multi-level protection ensures safety and reliability
- Alloy plastic structure ensures ruggedness

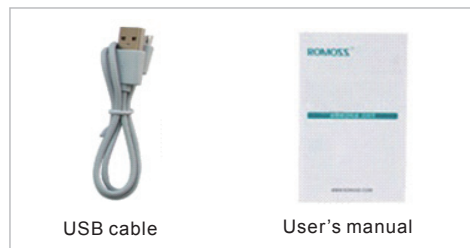
Specifications

Name	solo 1	Model	PH10
Input	DC5V 1A MAX.	Output	DC5V 1A MAX.
Capacity	2000mAh	Weight	~74g/2.61ozs
Size	~L90 x W30 x H21mm ~L3.54 x W1.18 x H0.83inches		
Charging time	~2.5 hours (using 1A AC adapter) ~5 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

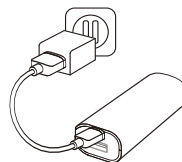
product appearance



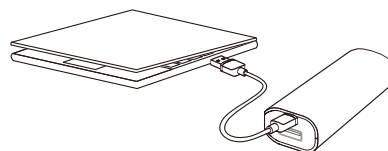
Accessories



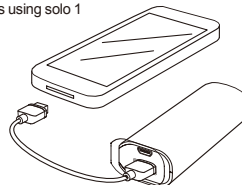
1 Charge solo 1 with AC adapter (AC adapter is not bundled)



2 Charge solo 1 by connecting it to USB port on computer



3 Charging digital products using solo 1



Residual capacity indicator

LED4 LED1	
LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

solo 1

Portable External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



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Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging solo 1 (Figure 1 / Figure 2)

1. Use original USB data cable and connect micro USB to micro USB port on solo 1;
2. Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means solo 1 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with solo 1 (Figure 3)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of solo 1.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to solo 1. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 20 seconds. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

Enjoy Charging **Technology ROMOSS**
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ROMOSS

solo 2

Small and
multifunctional





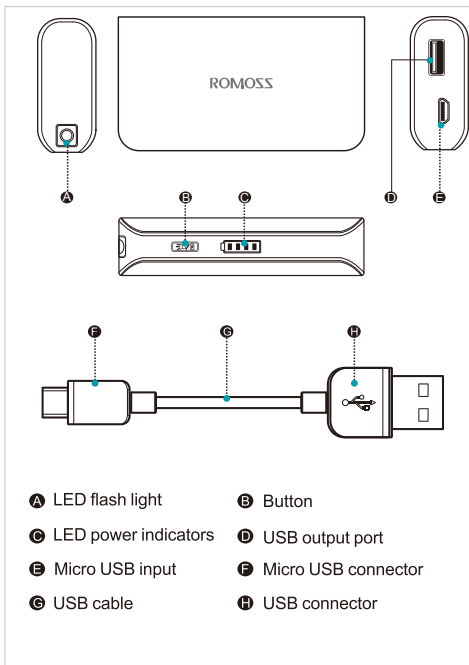
Product features

- Unique craftsmanship, stylish and presentable
- More power output, more functions, more colorful life
- Supports simultaneous charging of external batteries and mobile phones, before you go out, the phone and the battery are both fully charged
- Intelligent multi-level protection ensures safety and reliability
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- RCF user-friendly ergonomic design, better fits to your hand and habits

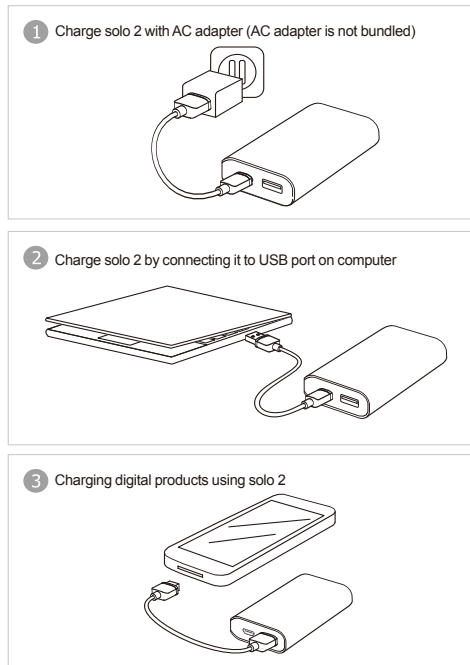
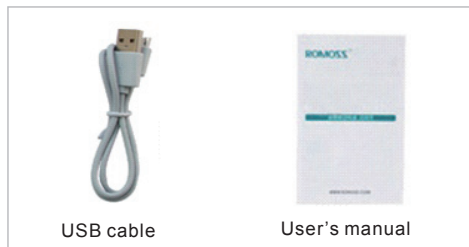
Specifications

Name	solo 2	Model	PH20
Input	DC5V 1A MAX.	Output	DC5V 1A MAX.
Capacity	4000mAh	Weight	~128g/4.51ozs
Size	~L89.5x W48.5 x H21mm ~L3.52 x W1.91 x H0.83inches		
Charging time	~5 hours (using 1A AC adapter) ~10 hours (using 500mA AC adapter or PC USB)		
Environment for Use		Outdoors/indoors/inside a vehicle	
Ambient Temperature for Use		Charging 0℃~45℃; discharging -10℃~60℃	
Environment for Storage		-20℃~60℃	
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

product appearance



Accessories



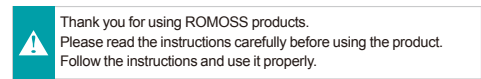
Residual capacity indicator

LED4 LED1	
LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

solo 2

Portable External Battery

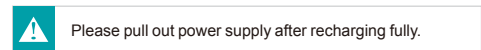
Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Instructions

Charging solo 2 (Figure ① / Figure ②)

- Use original USB data cable and connect micro USB to micro USB port on solo 2;
- Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means solo 2 is being charged;

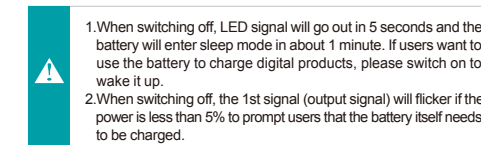


Charging digital product with solo 2 (Figure ③)

- Check if the charging voltage of the digital product is compatible with the DC5V output voltage of solo 2.
- Use the digital product's original cable, and connect one end to the digital product, the other end to solo 2. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.

Flashlight function

- Press the switch for 2~3 seconds to turn on the LED flashlight and another 2~3 seconds to turn it off.



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solo 3

The most suitable one
is the best one





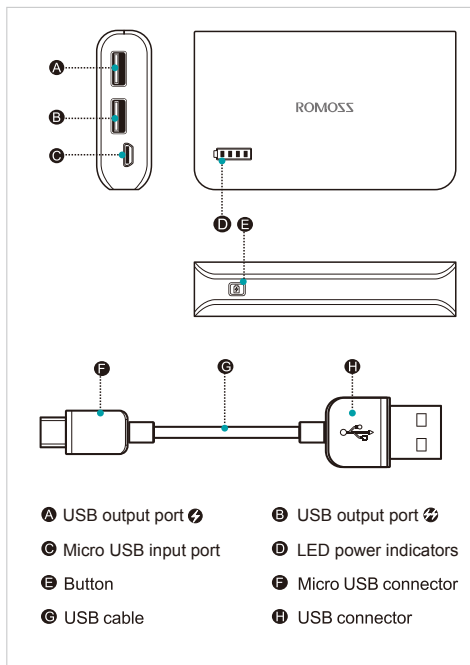
Product features

- Two USB ports allow simultaneous charging of two mobile phones
- The same size as a smartphone, can be perfectly held by a hand
- Takes only 7.5 hours to fully charge the device, just a sleep away
- Can be used to charge any mobile phones
- Unique craftsmanship, exquisite and refined
- Intelligent multi-level protection ensures safety and reliability
- Alloy-plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance

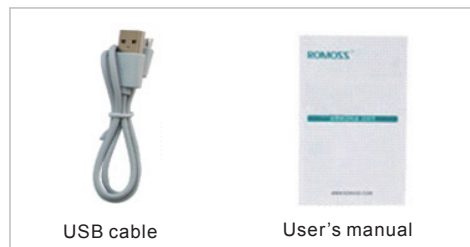
Specifications

Name	solo 3	Model	PH30
Capacity	6000mAh	Weight	~193g/6.8ozs
Input	DC5V 1A MAX.		
Output	⚡ DC5V 1A MAX. ⚡ DC5V 2.1A MAX.		
Size	~L101x W61 x H21mm ~L3.98 x W2.4 x H0.83inches		
Charging time	~7.5 hours (using 1A AC adapter) ~15 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃		
Environment for Storage	-20℃~60℃		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

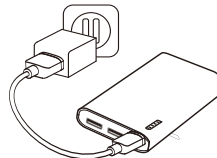
product appearance



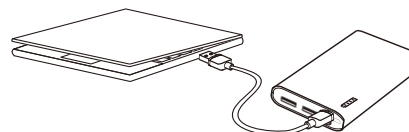
Accessories



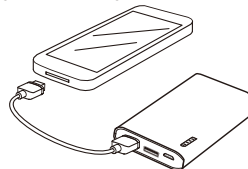
1 Charge solo 3 with AC adapter (AC adapter is not bundled)



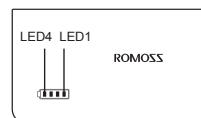
2 Charge solo 3 by connecting it to USB port on computer



3 Charging digital products using solo 3



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

solo 3

Portable External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Thank you for using ROMOSS products.
Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging solo 3 (Figure 1 / Figure 2)

1. Use original USB data cable and connect micro USB to micro USB port on solo 3;
2. Connect USB cable to USB port on DC5V USB charger or computer. If LED signal flickers, it means solo 3 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with solo 3 (Figure 3)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of solo 3.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to solo 3. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

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solo 4

Powerful and enduring





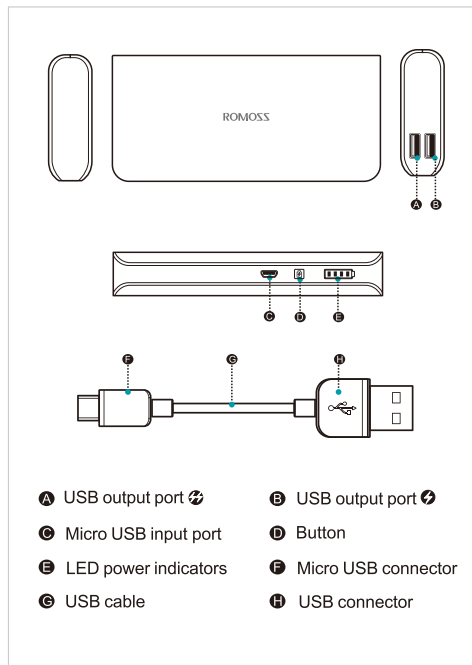
Product features

- 8000 mAh power, super-long endurance
- Actual power output is 10% higher than ordinary products
- The same size as a smartphone, goes perfectly well with smartphone and PSP
- Can charge two mobile phones side by side, allows playing games on two mobile phones simultaneously
- Perfectly compatible with iPad
- Unique craftsmanship, exquisite and refined
- Intelligent multi-level protection ensures safety and reliability
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance

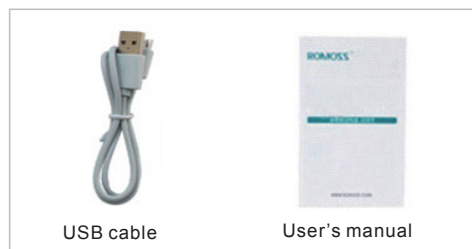
Specifications

Name	solo 4	Model	PH40
Capacity	8000mAh	Weight	~256g/9.03ozs
Input	DC5V 1A MAX.		
Output	⚡ DC5V 1A MAX. ⚡ DC5V 2.1A MAX.		
Size	~L138x W62 x H21.5mm	~L5.43 x W2.44 x H0.85inches	
Charging time	~10.5 hours (using 1AAC adapter) ~21 hours (using 500mA AC adapter or PC USB)		
Environment for Use	Outdoors/indoors/inside a vehicle		
Ambient Temperature for Use	Charging 0°C~45°C; discharging -10°C~60°C		
Environment for Storage	-20°C~60°C		
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)			

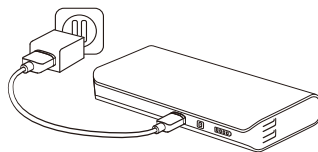
product appearance



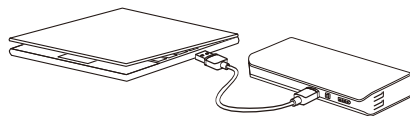
Accessories



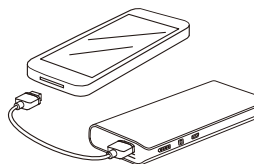
1 Charge solo 4 with AC adapter (AC adapter is not bundled)



2 Charge solo 4 by connecting it to USB port on computer



3 Charging digital products using solo 4



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

solo 4

solo 4

Portable External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Thank you for using ROMOSS products.
Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging solo 4 (Figure 1 / Figure 2)

1. Use original USB data cable and connect micro USB to micro USB port on solo 4;
2. Connect USB cable to USB port on DC5V USB charger or computer.
If LED signal flickers, it means solo 4 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with solo 4 (Figure 3)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of solo 4.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to solo 4. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

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solo 5

Powerful and Beyond
your Enjoyment





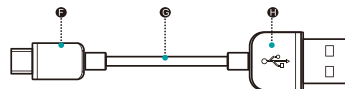
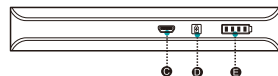
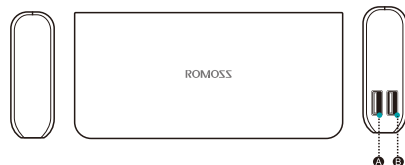
Product features

- Two USB ports allow simultaneous charging of two mobile phones
- Actual power output is 10% higher than ordinary products
- 10000 mAh power, super-long endurance
- Intelligent multi-level protection ensures safety and reliability
- Unique craftsmanship, exquisite and refined
- RCF user-friendly ergonomic design, better fits to your hand and habits
- Alloy plastic structure ensures ruggedness

Specifications

Name	solo 5		Model	PH50
Capacity	10000mAh		Weight	~296g/10.44ozs
Input	DC5V 1A MAX.			
Output	 DC5V 1A MAX.		 DC5V 2.1A MAX.	
Size	~L138x W62 x H21.5mm		~L5.43 x W2.44 x H0.85inches	
Charging time	~13 hours (using 1A AC adapter) ~26 hours (using 500mA AC adapter or PC USB)			
Environment for Use	Outdoors/indoors/inside a vehicle			
Ambient Temperature for Use	Charging 0℃~45℃; discharging -10℃~60℃			
Environment for Storage	-20℃~60℃			
The electrical core will have 85% capacity left after 300 cycles. (From fully charged to fully discharged is a cycle)				

product appearance



- A USB output port
- B USB output port
- C Micro USB input port
- D Button
- E LED power indicators
- F Micro USB connector
- G USB cable
- H USB connector

Accessories

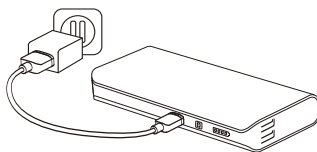


USB cable

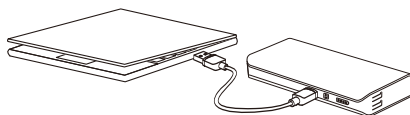


User's manual

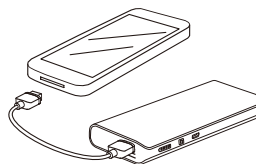
- 1 Charge solo 5 with AC adapter (AC adapter is not bundled)



- 2 Charge solo 5 by connecting it to USB port on computer



- 3 Charging digital products using solo 5



Residual capacity indicator



LED Signal	Battery Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

solo 5

Portable External Battery

Support to most DC5V USB input smartphones, tablets, MP3, MP4 and other digital products charging.



Thank you for using ROMOSS products.
Please read the instructions carefully before using the product.
Follow the instructions and use it properly.

Instructions

Charging solo 5 (Figure 1 / Figure 2)

1. Use original USB data cable and connect micro USB to micro USB port on solo 5;
2. Connect USB cable to USB port on DC5V USB charger or computer.
If LED signal flickers, it means solo 5 is being charged;



Please pull out power supply after recharging fully.

Charging digital product with solo 5 (Figure 3)

1. Check if the charging voltage of the digital product is compatible with the DC5V output voltage of solo 5.
2. Use the digital product's original cable, and connect one end to the digital product, the other end to solo 5. If battery signal (output signal) lights up, it means the charging process starts. When the signal (output signal) goes out, it means the digital product is fully charged.



1. When switching off, LED signal will go out in 5 seconds and the battery will enter sleep mode in about 1 minute. If users want to use the battery to charge digital products, please switch on to wake it up.
2. When switching off, the 1st signal (output signal) will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

solo 9

The most suitable one
is the best one





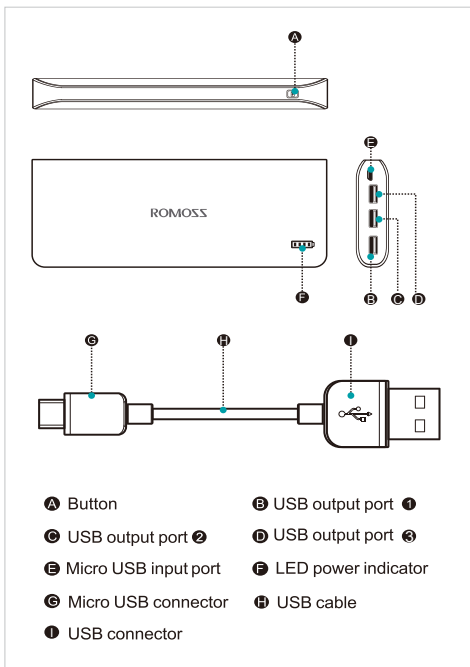
Product features

- Unique craftsmanship, stylish and presentable
- More power output, more functions, more colorful life
- Supports simultaneous charging of external batteries and mobile phones, before you go out, the phone and the battery are both fully charged
- Intelligent multi-level protection ensures safety and reliability
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- RCF user-friendly ergonomic design, better fits to your hand and habits

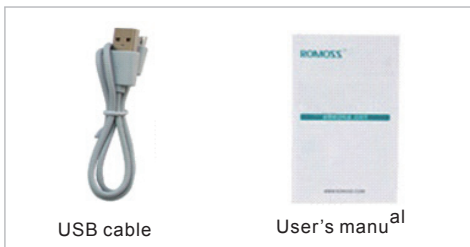
Specifications

Name	solo 9	Model	PHA0
Input	DC5V 2.1A MAX	Weight	~562g/19.8ozs
Capacity	20000mAh		
Output	● DC5V 2.4A MAX ● DC5V 1A MAX ● DC5V 1A MAX		
Size	~L210x W80 x H22.5mm ~L8.27xW3.15xH0.89inches		
Charging time	~14 hours(Use 2.1A adapter or 2.4A adapter)		
Operating environment	Indoor /outdoor / in the car		
Operating temperature	Charging: 0~45°C; Discharging: -10~60°C		
Storage environment	Temperature: -20~60°C		

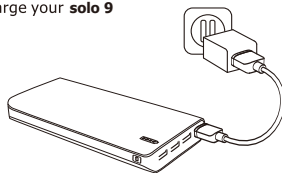
Product appearance



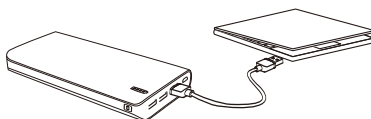
Accessories



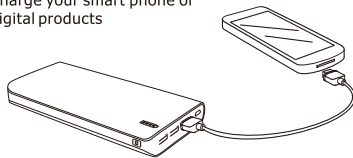
1 Charge your solo 9



2 Charge your solo 9



3 Charge your smart phone or digital products



Residual capacity indicator



LED indicator light	Power level
LED 1 illuminated	0~25%
LED 1,2 illuminated	25~50%
LED 1,2,3 illuminated	50~75%
LED 1,2,3,4 illuminated	75~100%

After pressing the switch down, the LED indicator light will be on and then off after 3 ~ 5 seconds. It then enters the power-saving mode after approximately one minute. If you want to use this product for charging digital products, just activate the power-saving mode by pressing the switch again.

solo 9

solo 9

Portable External Battery

Recharging digital products such as mobile phones, tablet PC, MP3, MP4, PSP, GPS, iPhones, and iPads with DC 5V USB input.

! Before using this product, please read the instruction manual carefully, and use it correctly by following the usage instructions in the manual.

How to Use

Charging solo 9 (Figure ① / Figure ②)

1. Select the original USB data cable and connect its micro USB interface with the micro USB input port of the solo 9;
2. Connect the USB interface with the USB port of the DC 5V USB charger (or computer). When the power indicator light of the solo 9 blinks, it shows that the solo 9 is being charged.
3. Four LED power indicator lights on, indicates that the solo 9 is charged full.

! Choose 5V 2.1A adapter or 5V 2.4A adapter to realise the fast charging function of solo 9.

! Please pull out power supply after recharging fully.

Charging the digital product with solo 9 (Figure ③)

1. Check whether the charging voltage of the digital product matches the DC 5V output voltage of the solo 9.
2. Connect the output port of sense 9 with the input port of digital product by USB cable. Then, push the button down. It starts charging digital product when the power indicator light is on.

Low battery alarm

If the power is lower than 5%, the first light will blink to remind you to recharge the product.

eUSB Series

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ROMOSS

eUSB sofun 4

Portable. Convenient. Free to
charge what you like





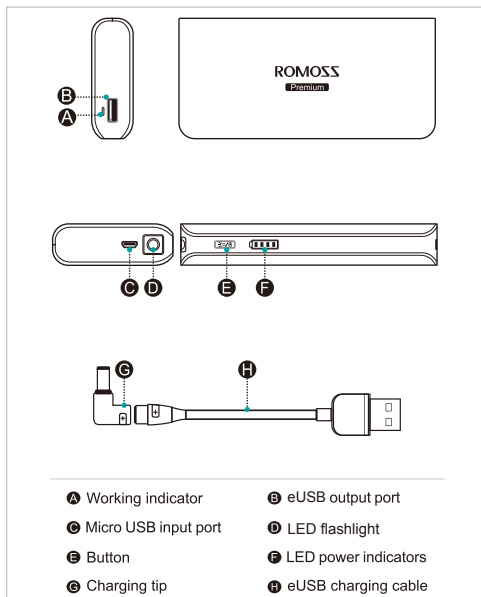
Product features

- Perfectly matches laptops, ultrabooks, tablets and smartphones
- User-friendly, the smallest among batteries of the same power
- Takes only 6.5 hours to charge itself, shorter time in waiting
- Slip and Shock-proofed and extremely durable, suitable for outdoor use
- Smart multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 10% higher than ordinary products
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance

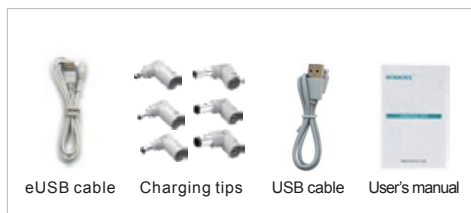
Specifications

Name	eUSB sofun 4	Model	PH40
Weight	~262g/9.24ozs	Capacity	10400mAh 3.7V/38.5Wh MAX
Input	DC 5V 2.1A Micro USB	Output	DC14~20V 2.37A MAX DC 5V 2.1A MAX
Power	45W MAX	Charging Time	~6.5 Hrs
Size	~L138xW62xH21.5mm ~L5.43 x W2.44 x H0.85inches		
Environment for Storage		Temperature: -20~60°C	
Ambient Temperature for Use		Charging: 0 ~ 45°C discharge: -10 ~ 60°C	

product appearance



Accessories



Residual capacity indicator



LED Signal	Power Percentage
1st signal lights up	0~25%
1st, 2nd signals light up	25~50%
1st, 2nd, 3rd signals light up	50~75%
1st, 2nd, 3rd and 4th signals light up	75~100%

eUSB sofun 4

Super portable laptop external battery User manual

Support most 45W laptops, 45W ultrabooks, tablets, smartphones, MP3, MP4 and other digital products charging.



Please read the manual carefully before using the product. Follow the instructions and use it properly.

Instructions to users

I. Charging eUSB sofun 4 (Figure ①)

Use original USB data cable and connect micro USB to micro USB port on eUSB sofun 4; if LED signal flickers, it means the charging process starts. When 4 LED signals light up, it means eUSB sofun 4 is fully charged. (eUSB sofun 4 features ultra fast-charge function and allows fast-charging with 2.1 A USB charger)



Unplug the power immediately when the product is fully charged

II. Charging laptops using eUSB sofun 4 (Figure ②)

1. Charge laptop

- (1) Check the voltage required by the laptop
 Check the voltage in one of the ways listed below:
- ① Check the label at the back of the laptop

Model NO:XXXX
 DC Rating **19V** = 2.37A
 Voltage=19 Volt

- ② Check the label on the original power adapter of the laptop/ultrabook

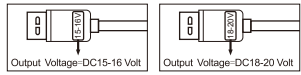
Input:110-220V/50-60HZ
 DC Rating **19V** = 2.37A
 Voltage=19 Volt



When switching off, LED signals will go out in 3~5 seconds and the battery will enter battery saving mode in about 1 minute. If users want to use it to charge digital products, press the switch once and wake it up. When switching off, the 1st signal will flicker if the power is less than 5% to prompt users that the product itself needs to be charged.

2. Choose a proper eUSB charging cable

There are two types of eUSB charging cables, one with DC15~16V output voltage, the other with DC18~20V output voltage. The bundled charging cable is with DC18~20V output voltage (DC 15~16V output voltage charging cable not included in this product). Check carefully before using eUSB charging cable if the output voltage matches the laptop requirements.



- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

3. Choose a swivel joint that fits the laptop port

Select eUSB swivel joint according to laptop port specifications (e.g. model, specifications, suitability). See the table below for details:

eUSB swivel joints for different laptop models				
Swivel Joint	Outer Diameter	Inner Diameter	Model	Suitable For
	5.5mm	2.5mm	5525R	Acer,Asus,Clevo,HP,IBM,Lenovo,Compaq,Gateway,Fujitsu,Toshiba,Advent,MSI,Hitachi,NEC,Panasonic,Samsung,Sharp
	7.4mm	5mm	7450D	Dell
	4.4mm	6.5mm	6544R	Sony , Fujitsu , Samsung
	4.5mm	2.9mm	4529D	Dell
	3mm	1.1mm	3011A	Asus
	3mm	1.1mm	3011S	Samsung

Please select proper charging cable and swivel joints otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and swivel joints specifications will lead to improper functions. Apple product users can choose dedicated ROMOSS Macbook charging cables, which supports plug-and-use and needs no swivel joints. Please contact local distributor for details.

4. Charge laptop with eUSB sofún 4

- Connect one end of eUSB charging cable to corresponding swivel joints and the other end to the laptop.
- Connect the other end of eUSB charging cable to eUSB port on eUSB sofún 4. Switch it on and the charging process starts.

III. Charging digital products using eUSB sofún 4 (Figure ④)

- Check if the charging voltage of the digital product is compatible with the DC5V output voltage of eUSB sofún 4.
- Use the digital product's original cable, and connect one end to the digital product, the other end to eUSB sofún 4.

Connected and switch it on, the charging process starts with the working signal lights up. When using the product, the signal will flicker if the power is less than 5% to prompt users that the battery itself needs to be charged.

Flashlight function

Press the switch for 2 seconds to turn on the LED flashlight and another 2 seconds to turn it off.

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eUSB edge 52

Light. Thin. Luxury.
Free to charge what you like





Product features

- Perfectly matches notebooks, ultrabooks, tablets and smartphones
- Super thin, luxury experience
- Takes only 4 hours to charge itself, the fastest
- 14000 mAh power, more durable
- Intelligent multi-level protection ensures safety and reliability
- Highly efficient voltage booster circuit, actual power output is 15% higher than ordinary products
- Alloy plastic structure ensures ruggedness
- Smart sleep mode helps save power and prolongs endurance
- RCF user-friendly ergonomic design, better fits to your hand and habits

Specifications

Name	eUSB edge 52	Capacity	14000mAh; 3.7V/52Wh MAX
Model	PB52	Power	65W MAX
Input	DC15 ~ 20V 3.5A	Output	1.eUSB:DC14 ~ 20V 3.5A MAX 2. USB:DC5V 2.1A MAX 3.DVD:DC9~12V 2A
Weight	~445g/15.7ozs	Charging Time	~3 Hrs
Size	~L220×W95×H16mm ~L8.66×W3.74×H0.63inches		
Environment for Storage	Temperature: -20~60°C		
Temperature for Use	Charging: 0 ~ 45°C Discharging: 10 ~ 60°C		

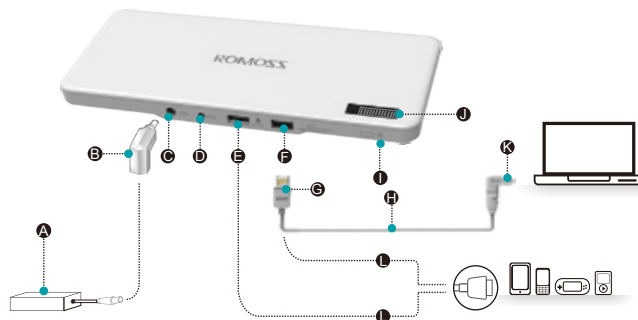
eUSB edge 52

Ultra thin laptop external battery User manual

Support most laptops, ultrabooks, tablets, smartphones, MP3, GPS, digital camera and other digital products.



Travel/Outdoor/Home/Office



- | | | | |
|---------------------|----------------------|---------------------|---------------------|
| ● A Laptop charger | ● B Charging tip(T) | ● C Input port | ● D DVD output port |
| ● E USB output port | ● F eUSB output port | ● G eUSB connector | ● H eUSB cable |
| ● I Switch | ● J LCD display | ● K Charging tip(R) | ● L USB cable |

Accessories



Please read the manual carefully before using the product.
Follow the instructions and use it properly.

Ultra thin laptop external battery has three output voltages:

①DC14~20V ②DC5V ③DC9~12V

- Ultra thin laptop external battery with DC14~20V output voltage: support laptop/ultrabook and must use with eUSB charging cables produced by ROMOSS.
- Ultra thin laptop external battery with DC5V output voltage: support digital products such as tablets, smartphones, MP3, MP4, etc. with DC5V output voltage. Must use with the USB cable provided originally by the digital product manufacturer.
- Ultra thin laptop external battery with DC9~12V output voltage: support DV, portable DVD and other digital products and must use with charging cables dedicated to DV, DVD or other products.



eUSB port supports charging of laptop and other devices with compatible voltage.

Instructions to users

I. Charge the ultra thin laptop external battery

1. Select a compatible connector (T-shaped) and connect it with adapter, then connect the adapter to input port on eUSB edge 52. Plug the adapter into power socket and if the LCD display lights up, it means the charging process starts.
2. When LCD display says 100%, it means eUSB edge 52 is fully charged.



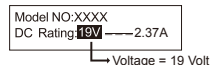
Unplug the adapter immediately when the product is fully charged

II. Charge digital products using ultra thin laptop external battery

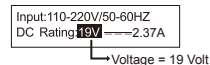
1. Charge laptop/ultrabook

- (1) Check the charging voltage required by laptop/ultrabook
Check the voltage in one of the ways listed below:

- ① Check the label at the back of the laptop/ultrabook

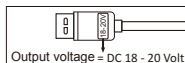
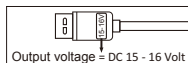


- ② Check the label on the original power adapter of the laptop/ultrabook



(2) Choose a proper eUSB charging cable

There are two types of eUSB charging cables, one with DC15~16V output voltage, the other with DC18~20V output voltage. The bundled charging cable is with DC18~20V output voltage (the one with DC 15~16V output voltage is not bundled). Check carefully before using the product if the eUSB charging cable output voltage matches that required by the laptop/ultrabook.



- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

(3) Choose a connector that fits the laptop/ultrabook port

Select eUSB connector according to laptop/ultrabook port specifications. See the table below for details:

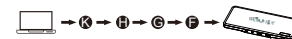
eUSB Connectors for Laptops				
Connector	Outer Diameter	Inner Diameter	Model	Suitable For
	3mm	1.1mm	3011A	Asus ultrabooks
	3mm	1.1mm	3011S	Samsung ultrabooks
	4mm	1.2mm	4012A	Asus ultrabooks
	4.5mm	2.9mm	4529D	Dell ultrabooks
	4mm	1.7mm	4017R	HP, Compaq
	4.8mm	1.7mm	4817R	Acer, Asus, Clevo, HP, Compaq
	5.5mm	1.7mm	5517R	Acer, Dell
	5.5mm	2.1mm	5521R	Acer, Gateway, Toshiba, IBM, Hitachi, NEC, Sharp, Twinhead, Compaq
	5.5mm	2.5mm	5525R	Acer, Asus, Clevo, HP, IBM, Sharp, Lenovo, Compaq, Gateway, MSI, Fujitsu, Toshiba, Advent, Hitachi, NEC, Panasonic, Samsung
	6.3mm	3mm	6330R	Toshiba
	6.5mm	4.4mm	6544R	Sony, Fujitsu, Samsung
	7.4mm	5mm	7450D	Dell
	7.4mm	5mm	7450H	HP, Compaq
	7.9mm	5.5mm	7955R	IBM, Lenovo



Please select proper charging cable and connectors otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and connector specifications will lead to improper functions. Apple product users can choose dedicated Macbook charging cables produced by ROMOSS, which needs no connector and supports plug-and-use. Please contact local distributor for details.

(4) Charge laptop/ultrabook using eUSB edge 52

- Connect one end of eUSB charging cable to corresponding connector, then to the laptop/ultrabook.
- Connect the other end of eUSB charging cable to the eUSB port on eUSB edge 52. Switch it on and the charging process starts.



2. Charge digital products

Use the digital product's original USB cable. Connect the cable to the eUSB output port on eUSB edge 52. Switch it on and the charging process starts.



3. Charge DV, portable DVD and other digital products

Connect dedicated DV, DVD charging cable to the DV port on the laptop external battery. Switch it on and the charging process starts.



DV charging cable is not bundled. Please contact local distributor if you want to buy one.

III. Cautions for using the laptop external battery



- Please charge and discharge the product once every three months if it is not used for a long time. This can ensure the product's life cycle.
- The product has smart power saving function and users need to switch it on to start the charging process after it is well connected. When it is disconnected from the laptop, the battery will enter sleep mode in about 1 minute. If users want to use the battery again, they need to press the switch again to restart it.
- The product has power display function. When it is switched on, the LCD display will show the power left, where 100% means fully charged, 0% means no power and the product needs to be charged.
- The product also has low power alarm which will be triggered when the power is less than 10% to prompt users that it needs to be charged.

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eUSB ranger 90

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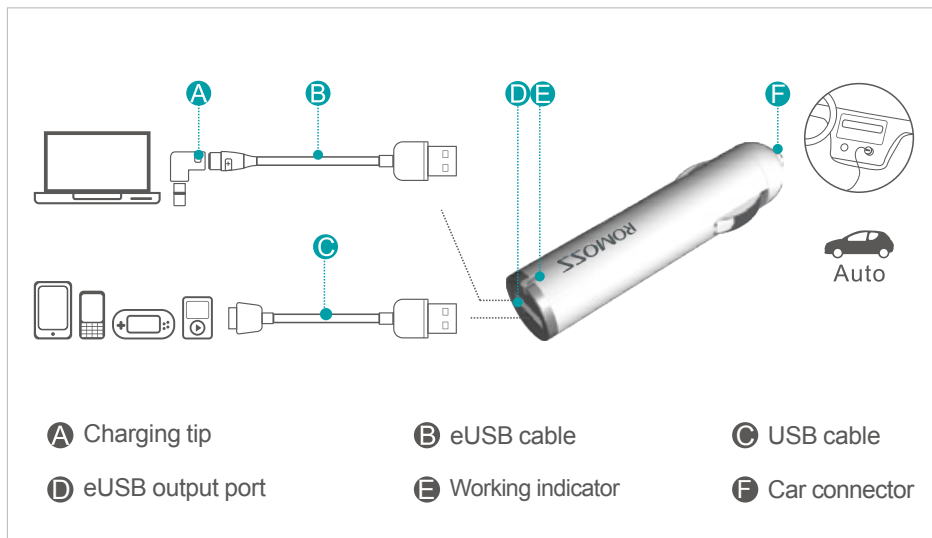
Product features

- Minimalist design ,reserved luxury
- Comfortable chamfering, suitable for interior design and human body
- Self protection and outstanding safety
- Intelligent multi-level protection ensures safety and reliability
- Rugged alloy plastic, no wearing after multiple plugs and unplugs

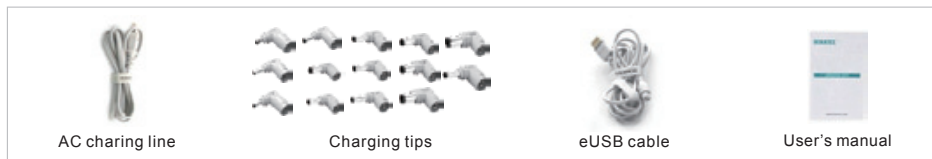
Specifications

Name	eUSB ranger 90
Model	AU90
Power	90W MAX
Input	DC12V 10A MAX
Output	DC14.5V~20V 4.74A MAX (90W MAX) DC5V 2.1A MAX
Size	~L97×W21×H21mm ~L3.82×W0.83×H0.83inches
Weight	~ 52g/1.83ozs
Environment for Use	Indoor
Ambient Temperature for Use	-10~40°C
Environment for Storage	Temperature : -20~70°C

Product appearance



Accessories



eUSB ranger 90

High performance on-board laptop charger User manual

Support most laptops, Ultrabooks, tablets, smartphones, MP3, MP4 and other digital products.



Please read the manual carefully before using the product.
Follow the instructions and use it properly.

eUSB ranger 90 has two output voltages:

① DC14~20 V ② DC5V

- eUSB ranger 90 with DC14~20V output voltage: support laptop/Ultrabook and must use with eUSB charging cables produced by ROMOSS.
- eUSB ranger 90 with DC5V output voltage: support digital products such as tablets, smartphones, MP3, MP4, etc. with DC5V output voltage. Must use with the USB cable provided originally by the digital product manufacturer.



eUSB port supports charging of Ultrabook and other devices with DC5V voltage.

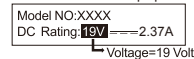
Instructions to users

I. Charge laptop/Ultrabook using eUSB ranger 90

1. Check the charging voltage required by laptop/Ultrabook

Check the voltage in one of the ways listed below:

① Check the label at the back of the laptop/Ultrabook



② Check the label on the original power adapter of the laptop/Ultrabook



2. Choose a proper eUSB charging cable

Please select eUSB connector according to laptop/Ultrabook port specifications. There are two types of eUSB charging cables, one with DC15~16V output voltage, the other with DC18~20V output voltage. The bundled charging cable is with DC18~20V output voltage (the one with DC 15~16V output voltage is not bundled). Check carefully before using the product if the eUSB charging cable output voltage matches that required by the laptop/Ultrabook.



- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

3. Choose a connector that fits the laptop/Ultrabook port

Select eUSB connector according to laptop/Ultrabook port specifications.
See the table below for details:

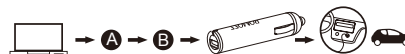
eUSB Connectors for Laptops				
Connector	Outer Diameter	Inner Diameter	Model	Suitable For
	3mm	1.1mm	3011A	Asus Ultrabook
	3mm	1.1mm	3011S	Samsung Ultrabook
	4mm	1.2mm	4012A	Asus Ultrabook
	4.5mm	2.9mm	4529D	Dell Ultrabook
	4mm	1.7mm	4017R	HP, Compaq
	4.8mm	1.7mm	4817R	Acer, Asus, Clevo, HP, Compaq
	5.5mm	1.7mm	5517R	Acer, Dell
	5.5mm	2.1mm	5521R	Acer, Compaq, Gateway, Toshiba, IBM, Hitachi, NEC, Sharp, Twinhead
	5.5mm	2.5mm	5525R	Acer, Asus, Clevo, HP, IBM, Lenovo, Compaq, Gateway, Fujitsu, Toshiba, Advent, MSI, Hitachi, NEC, Panasonic, Samsung, Sharp
	6.3mm	3mm	6330R	Toshiba
	6.5mm	4.4mm	6544R	Sony, Fujitsu, Samsung
	7.4mm	5mm	7450D	Dell
	7.4mm	5mm	7450H	HP, Compaq
	7.9mm	5.5mm	7955R	IBM, Lenovo



Please select proper charging cable and connector otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and connector specifications will lead to improper functions. Apple product users can choose dedicated Macbook charging cables produced by ROMOSS, which needs no connector and supports plug-and-use. Please contact local distributor for details.

4. Charge laptop/Ultrabook using eUSB ranger 90

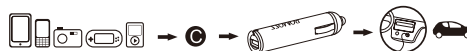
- (1) Plug eUSB ranger 90 into on-board cigarette lighter socket and connect eUSB charging cable to laptop/Ultrabook through connector;
- (2) Connect the charging cable to the eUSB port on eUSB ranger 90. Start the car and the charging process also starts.



Do not start your car before properly connecting the on-board charger, so as to avoid any power disturbance or damage to the charger and the equipment to be charged. The on-board charger can only charge properly when the car is in motion. Unplug the charger from the on-board cigarette lighter when not using the product. Unplug the charger from the on-board cigarette lighter when you leave the car. Do not use the cigarette lighter or socket before it gets cool if it is very hot.

II. Charge digital products using eUSB ranger 90

Plug eUSB ranger 90 into on-board cigarette lighter socket and connect eUSB ranger 90 to the digital products through the USB cable provided originally by the digital product manufacturer. Start the car and the charging process also starts.



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eUSB ranger 95

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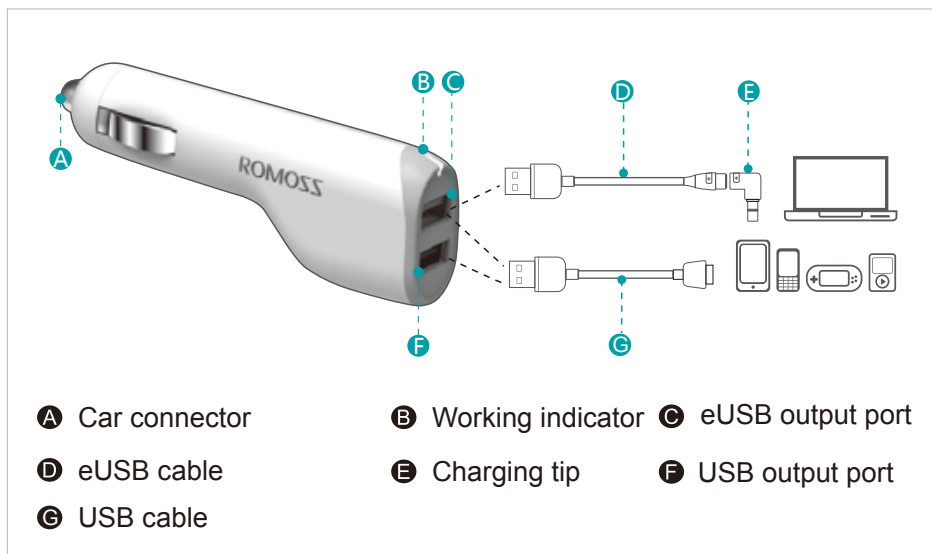
Product features

- Perfectly matches notebooks, ultrabooks, tablets and smartphones
- Self protection and outstanding safety
- Can simultaneously charge two digital devices
- Minimalist design, reserved luxury
- Comfortable chamfering, suitable for interior design and human body
- Intelligent multi-level protection ensures safety and reliability
- Rugged alloy plastic, no wearing after multiple plugs and unplugs

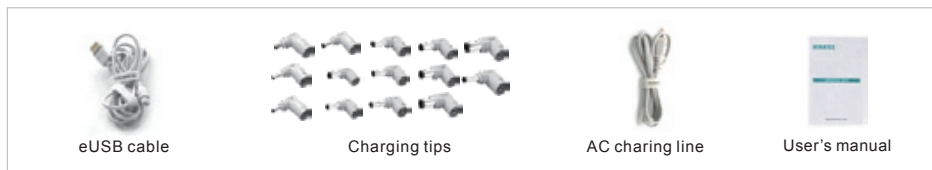
Specifications

Name	eUSB ranger 95
Model	AU95
Power	95W MAX
Input	DC12V 10A MAX
Output	eUSB: 1.DC14V~20V 4.74A MAX(95W MAX) 2.DC5V 2.1A MAX USB:DC5V 1A MAX
Size	~197×W34×H21mm ~L3.81×W1.34×H0.83inches
Weight	~65g/2.29ozs
Environment for Use	Indoors
Ambient Temperature for Use	-10~40°C
Environment for Storage	Temperature: -20~70°C

Product appearance



Accessories



eUSB ranger 95

High performance on-board laptop charger User manual

Support most laptops, ultrabooks, tablets, smartphones, MP3, MP4 and other digital products charging.

⚠ Please read the manual carefully before using the product. Follow the instructions and use it properly.

eUSB ranger 95 has two output voltages:

① DC14~20 V ② DC5V

- eUSB ranger 95 with DC14~20V output voltage: support laptop/ultrabook charging and must use with ROMOSS eUSB charging cables.
- eUSB ranger 95 with DC5V output voltage: support digital products charging such as tablets, smartphones, MP3, MP4, etc. with DC5V output voltage. Must use with the USB cable provided originally by the digital product manufacturer.

⚠ eUSB port supports ultrabook and DC5V USB digital devices charging.

Instructions to users

I. Charge laptop/ultrabook using eUSB ranger 95

1. Check the charging voltage required by laptop/ultrabook

- Check the voltage in one of the ways listed below:
- ① Check the label at the back of the laptop/ultrabook

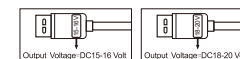
Model NO:XXXX
 DC Rating: 19V — 2.37A
 Voltage=19 Volt

- ② Check the label on the original power adapter of the laptop/ultrabook

Input: 110-220V/50-60HZ
 DC Rating: 19V — 2.37A
 Voltage=19 Volt

2. Choose a proper eUSB charging cable

Please select eUSB connector according to laptop/ultrabook port specifications. There are two types of eUSB charging cables, one with DC15~16V output voltage, the other with DC18~20V output voltage. A charging cable with DC18~20V output voltage is included with this product (the one with DC 15~16V output voltage is not included). Check carefully before using the product if the eUSB charging cable output voltage matches the requirements of the laptop/ultrabook.





- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

3. Choose a connector that fits the laptop/ultrabook port

Select eUSB connector according to laptop/ultrabook port specifications.
See the table below for details:

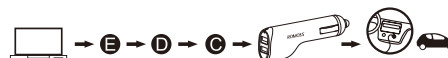
eUSB Connectors for Laptops				
Connector	Outer Diameter	Inner Diameter	Model	Suitable For
	3mm	1.1mm	3011A	Asus Ultrabook
	3mm	1.1mm	3011S	Samsung Ultrabook
	4mm	1.2mm	4012A	Asus Ultrabook
	4.5mm	2.9mm	4529D	Dell Ultrabook
	4mm	1.7mm	4017R	HP, Compaq
	4.8mm	1.7mm	4817R	Acer, Asus, Clevo, HP, Compaq
	5.5mm	1.7mm	5517R	Acer, Dell
	5.5mm	2.1mm	5521R	Acer, Gateway, Toshiba, IBM, Hitachi, NEC, Sharp, Twinhead, Compaq
	5.5mm	2.5mm	5525R	Acer, Asus, Clevo, HP, IBM, Lenovo, Compaq, Gateway, Fujitsu, Toshiba, Advent, MSI, Hitachi, NEC, Panasonic, Samsung, Sharp
	6.3mm	3mm	6330R	Toshiba
	6.5mm	4.4mm	6544R	Sony, Fujitsu, Samsung
	7.4mm	5mm	7450D	Dell
	7.4mm	5mm	7450H	HP, Compaq
	7.9mm	5.5mm	7955R	IBM, Lenovo



Please select proper charging cable and connectors otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and connector specifications will lead to improper functions. Apple product users can choose dedicated Macbook charging cables produced by ROMOSS, which needs no connector and supports plug-and-use. Please contact local distributor for details.

4. Charge laptop/ultrabook using eUSB ranger 95

- (1) Plug eUSB ranger 95 into on-board cigarette lighter socket and connect eUSB charging cable to laptop/ultrabook with connectors;
- (2) Connect the charging cable to the eUSB port on eUSB ranger 95.
Charging process will start when you start up the car engine.



Do not start up your car before properly connecting the on-board charger, to avoid any power disturbance or damage to the charger and the equipment to be charged. The on-board charger can only charge properly when the car is in movement.
Do not plug the charger continuously into the on-board cigarette lighter when not using it. Unplug it when you leave the car.
Do not use the cigarette lighter or socket in high temperature before it gets cool.

II. Charge digital products using eUSB ranger 95

Plug eUSB ranger 95 into on-board cigarette lighter socket and connect eUSB ranger 95 to the digital products with the USB cable provided originally by the digital product manufacturer. Start up the car engine and the charging process starts.



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eUSB iCharger 45

Perfectly matches ultrabooks,
compatible with smartphones and tablets





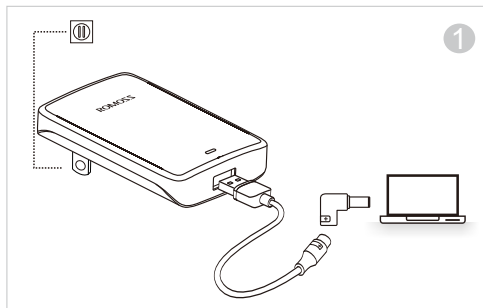
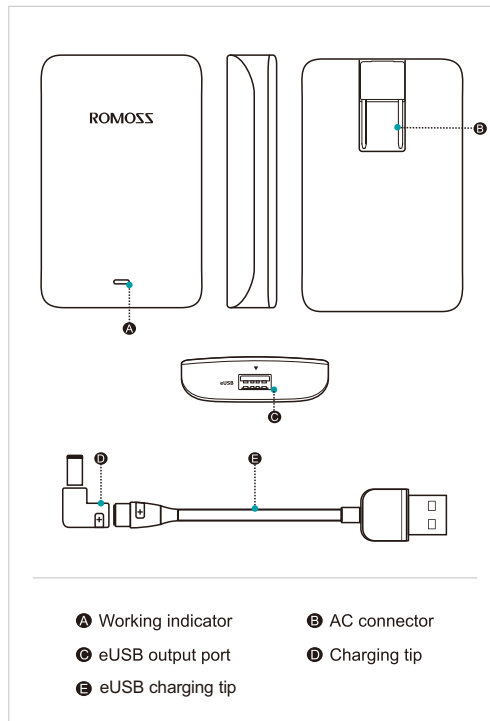
Product features

- Perfectly compatible with ultrabooks and 45W laptops
- Can charge 95% of digital devices, ranging from smartphones to tablets
- Self protection and outstanding safety
- Minimalist design, reserved luxury
- Rotatable plug, very convenient
- Intelligent multi-level protection ensures safety and reliability
- Rugged alloy-plastic, shockproof
- RCF user-friendly ergonomic design, better fits to your hand and habits

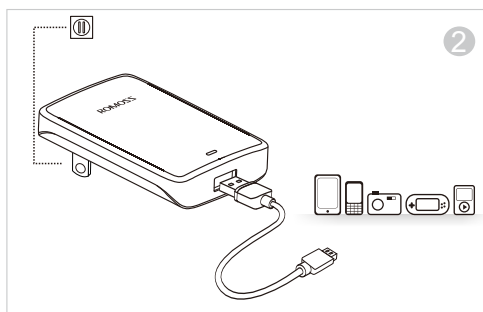
Specifications

Name	eUSB iCharger 45	
Model		
Power		
Input	AC100~240V 1.5A MAX/50~60 Hz	
Output	1、DC14.5-20V 3.1A 45W MAX 2、DC5V 1A	
Size	~L88×W56×H17.3mm ~L3.46×W2.2×H0.68inches	
Weight	~100g/3.53ozs	
Environment for Use	Indoors	
Ambient Temperature for Use	-10~40°C	
Environment for Storage	Temperature: -20~70°C	

Product appearance



Charging laptops with eUSB iCharger 45



Charging digital devices with eUSB iCharger 45

Accessories



USB cable



Charging tips



User's manual

eUSB iCharger 45

Super portable laptop external battery User manual

Support most 45W laptops, 45W ultrabooks, tablets, smartphones, MP3, MP4 and other digital products charging.



Please read the manual carefully before using the product.
Follow the instructions and use it properly.

eUSB iCharger 45 has two output voltages:

① DC14.5~20V ② DC5V

- eUSB iCharger 45 with DC14.5~20V output voltage: support ultrabook charging and must use with ROMOSS eUSB charging cables.
- eUSB iCharger 45 with DC5V output voltage: support digital products charging such as tablets, smartphones, game-devices, etc. with DC5V output voltage. Charging by using the USB cable provided originally by the digital product manufacturer.



eUSB port supports ultrabook and DC5V USB digital devices charging.

Instructions to users

I. Charge laptop using eUSB iCharger 45

1. Check the charging voltage required by laptop/ultrabook

Check the voltage in one of the ways listed below:

- ① Check the label at the back of the laptop/ultrabook

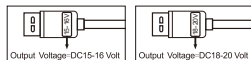
Model NO:XXXX
DC Rating: 19V === 2.37A
Voltage=19 Volt

- ② Check the label on the original power adapter of the laptop/ultrabook

Input:100-240V/50-60HZ
DC Rating: 19V === 2.37A
Voltage=19 Volt

2. Choose a proper eUSB charging cable

Please select eUSB connector according to laptop/ultrabook port specifications. There are two types of eUSB charging cables output voltage, one with DC15~16V and the other with DC18~20V. A charging cable with DC18~20V output voltage is included with this product (the one with DC15~16V output voltage is not included). Check carefully before using the product if the eUSB charging cable output voltage matches the requirements of the laptop/ultrabook.



- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

3. Choose a connector that fits the laptop/ultrabook port

Select eUSB connector according to laptop/ultrabook port specifications.
See the table below for details:

eUSB Connectors for Laptops				
Connector	Outer Diameter	Inner Diameter	Model	Suitable For
	5.5mm	2.5mm	5525R	Acer, Asus, Clevo, HP, IBM, Lenovo, Compaq, Gateway, MSI, Fujitsu, Toshiba, Advent, Hitachi, NEC, Panasonic, Samsung, Sharp
	7.4mm	5mm	7450D	Dell
	4.4mm	6.5mm	6544R	Sony, Fujitsu, Samsung
	4.5mm	2.9mm	4529D	Dell
	3mm	1.1mm	3011A	Asus
	3mm	1.1mm	3011S	Samsung



Please select proper charging cable and connectors otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and connector specifications will lead to improper functions. Apple product users can choose dedicated Macbook charging cables produced by ROMOSS, which needs no connector and supports plug-and-use. Please contact local distributor for details.

4. Charge laptop/ultrabook using eUSB iCharger 45 (Figure ①)

- Connect one end of eUSB charging cable to corresponding connector, then to the ultrabook, and the other end to the eUSB port on the adapter.
- Switch on eUSB iCharger 45 and when the signal lights up, it means the adapter is charging the laptop.
- If the laptop shows that it is being charged, then the charging process is normal.

II. Charge digital products using eUSB iCharger 45 (Figure ②)

- Use the digital product's original USB data cable. Connect one end of the cable to the digital product and the other end to the eUSB output port on USB iCharger 45.
- Plug eUSB iCharger 45 into power socket and when the signal lights up, it means the adapter is charging the digital product.
- If the digital product shows that it is being charged, then the charging process is normal.

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eUSB iCharger 90

Perfectly matches notebooks,
compatible with 95% of digital products





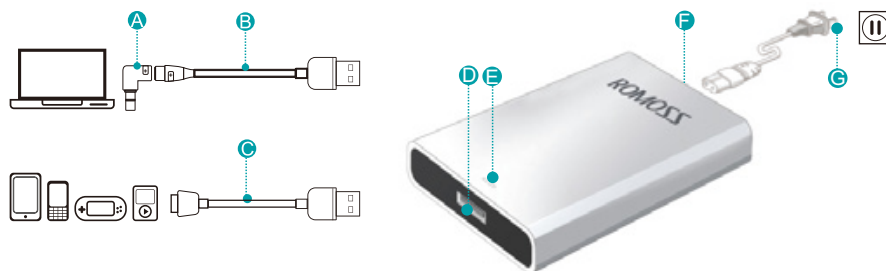
Product features

- Perfectly matches notebooks, compatible with ultrabooks
- Can charge 95% of digital devices, ranging from smartphones to tablets
- Self protection and outstanding safety
- Minimalist design, reserved luxury
- Intelligent multi-level protection ensures safety and reliability
- Rugged alloy plastic, shockproof
- RCF ergonomic design, better fits in your hand, more user-friendly

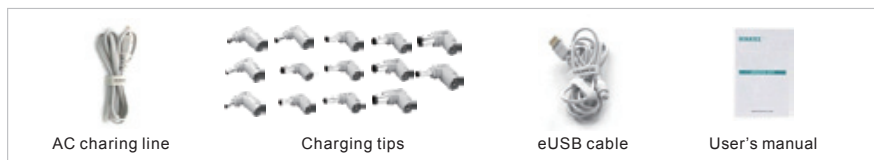
Specifications

Name	eUSB iCharger 90
Model	AC90
Power	90W MAX
Input	AC110~240V/ 50-60 Hz
Output	1、DC14.5~20V 4.74A MAX 2、DC5V 2.1A MAX
Size	~L108×W65×H20mm ~L4.25×W2.56×H0.78inches
Weight	~220g/7.76ozs
Environment for Use	Indoor
Ambient Temperature for Use	-10~40°C
Environment for Storage	Temperature:-20~70°C

Product appearance



Accessories



eUSB iCharger 90

Super portal adapter user manual

Support most laptops, ultrabooks, tablets, smartphones, MP3, MP4 and other digital products charging.



Please read the manual carefully before using the product. Follow the instructions and use it properly.

eUSB iCharger 90 has two output voltages:

① DC14.5~20V ② DC5V

- 1 eUSB iCharger 90 with DC14.5~20V output voltage: can charge ultrabook and must use with eUSB charging cables produced by ROMOSS.
- 2 eUSB iCharger 90 with DC5V output voltage: can charge digital products such as tablets, smartphones, gamers, etc. with DC5V output voltage. Charging by using the USB cable provided originally by the digital product manufacturer.



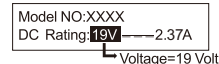
eUSB port supports ultrabook and DC5V USB digital devices charging

Instructions for users

I Charging laptops using eUSB iCharger 90

1. Check the voltage in one of the ways listed below:

- ① Check the label at the back of the laptop/ultrabook

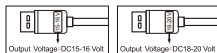


- ② Check the label on the original power adapter of the laptop/ultrabook



2. Choose the right eUSB cables

There are two types of eUSB charging cables, one with DC15~16V output voltage, the other with DC18~20V output voltage. The bundled charging cable is with DC18~20V output voltage (the one with DC 15~16V output voltage is not bundled). Check carefully before using the product if the eUSB charging cable output voltage matches that required by the laptop/ultrabook.



- Do not use DC15~16V charging cable with DC18~20V laptop
- Do not use DC18~20V charging cable with DC15~16V laptop

3. Choose a swivel joint that fits the laptop/ultrabook po

Select eUSB swivel joint according to laptop/ultrabook port specifications. See the table below for details:

eUSB Swivel Joints for Laptops				
Swivel Joint	Outer Diameter	Inner Diameter	Model	Suitable For
	3mm	1.1mm	3011A	Asus ultrabooks
	3mm	1.1mm	3011S	Samsung ultrabooks
	4mm	1.2mm	4012A	Asus ultrabooks
	4.5mm	2.9mm	4529D	Dell ultrabooks
	4mm	1.7mm	4017R	HP, Compaq
	4.8mm	1.7mm	4817R	Acer, Asus, Clevo, HP, Compaq
	5.5mm	1.7mm	5517R	Acer, Dell
	5.5mm	2.1mm	5521R	Acer, Compaq, Gateway, Toshiba, IBM, Hitachi, NEC, Sharp, Twinhead

	5.5mm	2.5mm	5525R	Acer, Asus, Clevo, HP, IBM, Sharp, Lenovo, Compaq, Gateway, MSI, Fujitsu, Toshiba, Advent, Hitachi, NEC, Panasonic, Samsung
	6.3mm	3mm	6330R	Toshiba
	6.5mm	4.4mm	6544R	Sony, Fujitsu, Samsung
	7.4mm	5mm	7450D	Dell
	7.4mm	5mm	7450H	HP, Compaq
	7.9mm	5.5mm	7955R	IBM, Lenovo



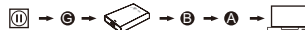
Please select proper charging cable and swivel joints otherwise mismatch between laptop/ultrabook charging voltage and eUSB charging cable output voltage, laptop/ultrabook port specifications and swivel joint specifications will lead to improper functions. Apple product users can choose dedicated Macbook charging cables produced by ROMOSS, which needs no swivel joint and supports plug-and-use. Please contact local distributor for details.

4. Charge laptop/ultrabook using eUSB iCharger 90

- ① Connect one end of eUSB charging cable to corresponding swivel joint, then to the ultrabook, and the other end to the eUSB port on the adapter.



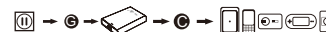
- ② Switch on eUSB iCharger 90 and when the signal lights up, it means the adapter is charging the laptop.



- ③ If the laptop shows that it is being charged, then the charging process is normal.

II. Charging digital products using eUSB iCharger 90

- ① Use the digital product's original USB data cable. Connect one end of the cable to the digital product and the other end to the eUSB output port on USB iCharger 90.
- ② Plug eUSB iCharger 90 into power socket and when the signal lights up, it means the adapter is charging the digital product.
- ③ If the digital product shows that it is being charged, then the charging process is normal.



iCharger Series

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iCharger 5

Exquisite. Minimalist. Safe. Portable





Product features

- Perfectly matches smartphones and normal-speed-charge external batteries
- Self protection and outstanding safety
- Exquisite craftsmanship, stylish and elegant
- Rotatable plug, very convenient
- Alloy plastic structure ensures ruggedness

Specifications

Model	XM05G-0500100C
Power	5W
Input	AC 100-240V~50/60Hz 0.2A
Output	DC 5V--- 1A
Weight	38g / 1.34ozs
Size	64X32X22.5mm

Accessories



User's manual



USB cable

iCharger 05

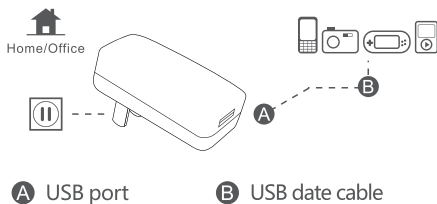
Portable Mobile Phone Adapter

Suitable for charging most mobile phones and other digital devices with 5V USB input.



Before using this product, please read the instruction manual carefully, and use it correctly by following the usage instructions in the manual.

Product Description



How to Use

Connect one end of the data cable to your mobile phone and the other to a USB port of your charger.

Plug in your charger. The screen of your mobile phone shows the charging status.

A message appears on its screen when your device is fully charged.



Please pull out power supply after recharging.

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ROMOSS

iCharger 10

Exquisite. Minimalist. Safe. Portable





Product features

- Perfectly matches smartphones and rapid-charge external batteries
- Self protection and outstanding safety
- Exquisite craftsmanship, stylish and elegant
- Rotatable plug, very convenient
- Alloy plastic structure ensures ruggedness

Specifications

Model	FEF0500210C1WU
Power	10W
Input	AC 100-240V~50/60Hz 0.3A
Output	DC 5V --- 21A
Weight	60g / 2.11ozs
Size	57x39x28.5mm

Packing list



User's manual



USB cable

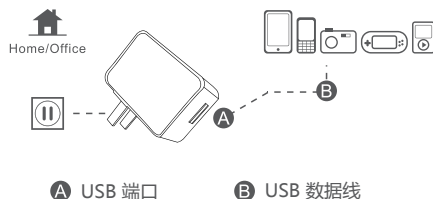
iCharger 10

Portable Mobile Phone / Tablet PC Adapter

Suitable for charging most mobile phones, tablet PCs and other digital devices with 5V USB input.

Before using this product, please read the instruction manual carefully, and use it correctly by following the usage instructions in the manual.

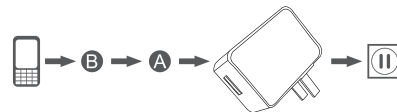
Product Description



How to Use

Connect one end of the data cable to your mobile phone or tablet PC and the other to a USB port of your charger.

Plug in your charger. The screen of your mobile phone or tablet PC shows the charging status. A message appears on its screen when your device is fully charged.



Please pull out power supply after recharging.

ROMOSS

A leading brand of 3C digital charging power technology innovation

Shenzhen Romoss Technology Co., Ltd.

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